

**33449, A HUMAN PROTEASE FAMILY MEMBER  
AND USES THEREOF**

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**Abstract**

The invention provides isolated nucleic acids molecules, designated 33449 nucleic acid molecules, which encode novel protease or S26 signal peptidase family members. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 33449 nucleic acid molecules, host cells into which the expression vectors have 10 been introduced, and nonhuman transgenic animals in which a 33449 gene has been introduced or disrupted. The invention still further provides isolated 33449 proteins, fusion proteins, antigenic peptides and anti-33449 antibodies. Diagnostic and therapeutic methods utilizing compositions of the invention are also provided.

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